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Title: MD Simulations of Full-Scale HIV-1 Lipid Envelope on LANL Grizzly

Supercomputer

Author(s): Bryer, Alexander

Bryer, Alexander Reddy, Tyler John Edward

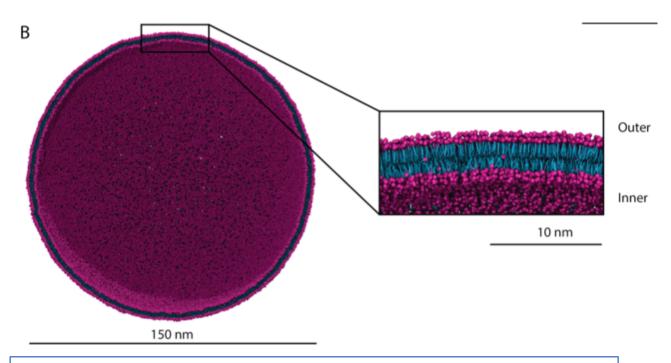
Lyman, Edward Perilla, Juan Roberto

Intended for: Report

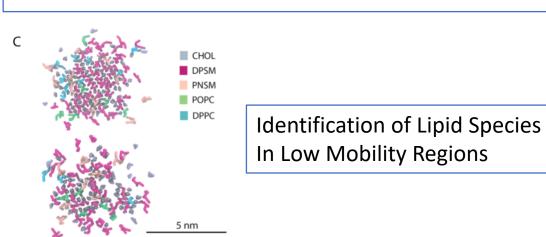
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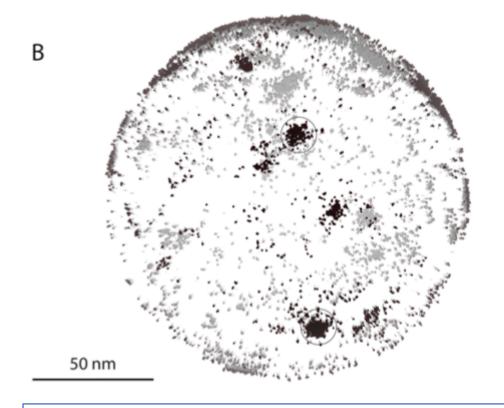


MD Simulations of Full-Scale HIV-1 Lipid Envelope on LANL Grizzly Supercomputer



Cross-section view of the HIV-1 vesicle after 5 microseconds of simulation with the MARTINI force field.





Determination of low-mobility regions in HIV-1 vesicle (circled) over the course of the simulation.

Results Submitted to: *ACS Central Science* in April 2021 Bryer, Alexander; Reddy, Tyler; Lyman, Edward; Perilla, Juan